

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~striketrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered). Please AMEND claims * and ADD new claims * in accordance with the following:

1. (currently amended) A method for iterative determination of a distance between a receiving station and a transmitting station, comprising:

receiving information by a calculating unit ~~via concerning a signal, including a code,~~ from the transmitting station ~~to~~ that is received by the receiving station, where the signal including a code which is received by the receiving station an integral number of times during a signal transfer time required for the signal to travel between the transmitting station and the receiving station;

calculating, during a first iteration, the integral number of times the code is received; and using the integral number in at least a second iteration without recalculating.

2. (original) A method according to claim 1, wherein the integral number calculated in the first iteration is used in all iterations.

3. (original) A method according to claim 2, wherein said calculating uses an estimation of a position of the receiving station to calculate the integral number.

4. (original) A method according to claim 3, wherein the receiving station is located in a radio cell of a radio communications system, and

further comprising basing the estimation of the position of the receiving station on a cell identifier of the radio cell, the cell identifier being assigned to the receiving station.

5. (original) A method according to claim 4, wherein a value other than zero is used in the first iteration for the signal transfer time.

6. (currently amended) A device for iterative determination of a distance between a receiving station and a transmitting station, comprising:

an interface receiving information ~~via-concerning a signal, including a code,~~ from the transmitting station ~~to-that is received by~~ the receiving station, ~~where the signal including a code~~ which is received by the receiving station an integral number of times during a signal transfer time required for the signal to travel between the transmitting station and the receiving station; and

a calculation unit calculating, during a first iteration, the integral number of times the code is received and using the integral number at least in a second iteration without recalculating.

7. (currently amended) A computer software product embodied on at least one computer-readable medium storing instructions to control a processor to perform a method comprising:

receiving information by a calculating unit ~~via-concerning a signal, including a code,~~ from the transmitting station ~~to-that is received by~~ the receiving station, ~~where the signal including a code~~ which is received by the receiving station an integral number of times during a signal transfer time required for the signal to travel between the transmitting station and the receiving station;

calculating, during a first iteration, the integral number of times the code is received; and using the integral number in at least a second iteration without recalculating.

8. (original) A computer software product according to claim 7, wherein the integral number calculated in the first iteration is used in all iterations.

9. (original) A computer software product according to claim 8, wherein said calculating uses an estimation of a position of the receiving station to calculate the integral number.

10. (original) A computer software product according to claim 9, wherein the receiving station is located in a radio cell of a radio communications system, and

further comprising basing the estimation of the position of the receiving station on a cell identifier of the radio cell, the cell identifier being assigned to the receiving station.

11. (original) A computer software product according to claim 10, wherein a value other than zero is used in the first iteration for the signal transfer time.

12. (new) A method according to claim 1, wherein a value other than zero is used in the first iteration for the signal transfer time.

13. (new) A method according to claim 2, wherein a value other than zero is used in the first iteration for the signal transfer time.

14. (new) A method according to claim 3, wherein a value other than zero is used in the first iteration for the signal transfer time.

15. (new) A method according to claim 1, wherein said calculating uses an estimation of a position of the receiving station to calculate the integral number.

16. (new) A method according to claim 15, wherein the receiving station is located in a radio cell of a radio communications system, and

further comprising basing the estimation of the position of the receiving station on a cell identifier of the radio cell, the cell identifier being assigned to the receiving station.

17. (new) A method according to claim 15, wherein a value other than zero is used in the first iteration for the signal transfer time.